



Lusail Real Estate Development Company

Health, Safety, Security, Environment, Logistics & Quality Department

Lusail Construction Safety Procedural Forms/Checklists – Daily Excavation Inspection

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COMPANY PROPRIETARY INFORMATION

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DAILY EXCAVATION INSPECTION

Site Location: _____
Date: _____ Time: _____ Competent Person: _____
Soil Type(s): _____
Soil Classification(s): _____ Excavation Depth: _____
Excavation Width: _____
Type of protective system used: _____

Indicate for each item by circling: Y (Yes), N (No), - Address in Comments, Not Applicable (N/A.)

I. General Inspection of Job Site

- | | | | |
|--------------------------------------------------------------------------------------------------------------------------|---|---|-----|
| A. Surface encumbrances removed or supported | Y | N | N/A |
| B. Employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation | Y | N | N/A |
| C. Hard hats worn by all employees | Y | N | N/A |
| D. Spoils, materials, and equipment set back at least 2 feet from the edge of the excavation | Y | N | N/A |
| E. Barriers provided at all remotely located excavations, wells, pits, shafts, etc. | Y | N | N/A |
| F. Walkways and bridges over excavations 4 feet or more in depth are equipped with standard guardrails | Y | N | N/A |
| G. Warning vests or other highly visible clothing provided and worn by all employees exposed to public vehicular traffic | Y | N | N/A |
| H. Warning system established and utilized when mobile equipment is operated near the edge of the excavation | Y | N | N/A |
| I. Employees prohibited from working on the faces of sloped or benched excavations above other employees | Y | N | N/A |

II. Utilities

- | | | | |
|--------------------------------------------------------------------------------------|---|---|-----|
| A. Utility companies contacted and/or utilities located | Y | N | N/A |
| B. Exact location of utilities marked when approaching the utilities | Y | N | N/A |
| C. Underground installations protected, supported or removed when excavation is open | Y | N | N/A |

III. Means of Access and Egress

- | | | | |
|-------------------------------------------------------------------------------------------------------------------------|---|---|-----|
| A. Lateral travel to means of egress no greater than 25 feet in excavations 4 feet or more in depth | Y | N | N/A |
| B. Ladders used in excavations secured and extended 3 feet above the edge of the trench | Y | N | N/A |
| C. Structural ramps used by employees designed by a competent person | Y | N | N/A |
| D. Structural ramps used for equipment designed by a registered professional engineer (RPE) | Y | N | N/A |
| E. Ramps constructed of materials of uniform thickness, cleated together on the bottom, equipped with a no-slip surface | Y | N | N/A |
| F. Employees protected from cave-ins when entering or exiting the excavation | Y | N | N/A |

IV. Wet Conditions

A. Precautions taken to protect employees from the accumulation of water	Y	N	N/A
B. Water removal equipment monitored by a competent person	Y	N	N/A
C. Surface water or runoff diverted or controlled to prevent accumulation in the excavation	Y	N	N/A
D. Inspections made after every rainstorm or other hazard increasing occurrence	Y	N	N/A

V. Hazardous Atmospheres

A. Atmosphere within the excavation tested where there is a reasonable possibility of an oxygen deficiency, combustible or other harmful contaminant exposing employees to a hazard	Y	N	N/A
B. Ventilation	Y	N	N/A
C. Testing conducted often to ensure that the atmosphere remains safe	Y	N	N/A
D. Emergency equipment, such as breathing apparatus, safety harness and line, and basket stretcher readily available where hazardous atmospheres could or do exist	Y	N	N/A
E. Safety harness and life line used and individually attended when entering deep confined excavations	Y	N	N/A

VI. Support Systems

A. Materials and/or equipment for support systems selected based on soil analysis, trench depth and expected loads	Y	N	N/A
B. Materials and equipment used for protective systems inspected and in good condition	Y	N	N/A
C. Materials and equipment not in good condition have been removed from service	Y	N	N/A
D. Damaged materials and equipment used for protective systems inspected by a RPE after repairs and before being placed back into service	Y	N	N/A
E. Protective systems installed without exposing employees to the hazards of cave-ins, collapses or from being struck by materials or equipment	Y	N	N/A
F. Members of support system securely fastened to prevent failure	Y	N	N/A
G. Support systems provided to insure stability of adjacent structures, buildings, roadways, sidewalks, walls, etc.	Y	N	N/A
H. Excavations below the level of the base or footing approved by an RPE	Y	N	N/A
I. Removal of support systems progresses from the bottom and members are released slowly as to note any indication of possible failure	Y	N	N/A
J. Backfilling progresses with removal of support system	Y	N	N/A
K. Excavation of material to a level no greater than 2 feet below the bottom of the support system and only if the system is designed to support the loads calculated for the full depth	Y	N	N/A
L. Shield system placed to prevent lateral movement	Y	N	N/A
M. Employees are prohibited from remaining in shield system during vertical movement	Y	N	N/A

VII. Comments
